

IN THE CLAIMS

Please cancel claims 15 and 16 and add new claims 31-50.

Please also amend the following claims which are pending in the present application:

Listing of Claims:

1-11. (Cancelled)

12. (Currently amended) A method comprising:

mixing a composition of magnetic material particles and a polymer-based material;

depositing said composition onto a first component;

placing a second component onto said first component at a site of the deposited composition;

applying a magnetic field to said composition, to form an aligned path of said magnetic material particles and to bend said aligned path of magnetic material particles to form part of a conductive path between said first component and said second component; and

solidifying said polymer-based ~~material~~ material; and

pre-coating said first component before said depositing, wherein said pre-coating comprises applying a thin layer of said composition.

13. (Previously Presented) The method of claim 12 further comprising putting said composition through a screen before said depositing.

14. (Previously Presented) The method of claim 13 wherein said putting includes using a squeegee.

15-16. (Cancelled)

17. (Previously Presented) The method of claim 12 further comprising testing the conductive path between said first component and said second component.

18. (Previously Presented) The method of claim 12 wherein said solidifying includes applying an ultra-violet light to said composition.

19. (Previously Presented) The method of claim 12 wherein solidifying includes changing said polymer-based material's temperature.

20. (Previously Presented) The method of claim 12 wherein said polymer-based material is solidified and said magnetic field is applied at approximately a same time.

21. (Previously Presented) The method of claim 12 wherein applying a magnetic field includes using the magnetic field from a metallic surface to bend the aligned path.

22. (Currently amended) The method of claim 12 wherein ~~mixing includes mixing~~ the ~~composition of~~ magnetic material particles ~~having~~ have dimensions of approximately one micron by two microns by ten microns.

23-30. (Cancelled)

31. (New) A method comprising:

mixing a composition of magnetic material particles and a polymer-based material;

depositing said composition onto a first component;

placing a second component onto said first component at a site of the deposited composition;

applying a magnetic field to said composition, to form an aligned path of said magnetic material particles and to bend said aligned path of magnetic material particles to form part of a conductive path between said first component and said second component, wherein applying the magnetic field includes using the magnetic field from a metallic surface to bend the aligned path; and

solidifying said polymer-based material.

32. (New) The method of claim 31 further comprising putting said composition through a screen before said depositing.

33. (New) The method of claim 32 wherein said putting includes using a squeegee.
34. (New) The method of claim 31 further comprising pre-coating said first component before said depositing.
35. (New) The method of claim 34 wherein said pre-coating comprises applying a thin layer of said composition.
36. (New) The method of claim 31 further comprising testing the conductive path between said first component and said second component.
37. (New) The method of claim 31 wherein said solidifying includes applying an ultra-violet light to said composition.
38. (New) The method of claim 31 wherein solidifying includes changing said polymer-based material's temperature.
39. (New) The method of claim 31 wherein said polymer-based material is solidified and said magnetic field is applied at approximately a same time.
40. (New) The method of claim 31 wherein mixing includes mixing the composition of magnetic material particles having dimensions of approximately one micron by two microns by ten microns.

41. (New) A method comprising:

mixing a composition of magnetic material particles and a polymer-based material, wherein the magnetic material particles have dimensions of approximately one micron by two microns by ten microns;

depositing said composition onto a first component;

placing a second component onto said first component at a site of the deposited composition;

applying a magnetic field to said composition, to form an aligned path of said magnetic material particles and to bend said aligned path of magnetic material particles to form part of a conductive path between said first component and said second component; and

solidifying said polymer-based material.

42. (New) The method of claim 41 further comprising putting said composition through a screen before said depositing.

43. (New) The method of claim 42 wherein said putting includes using a squeegee.

44. (New) The method of claim 41 further comprising pre-coating said first component before said depositing.

45. (New) The method of claim 44 wherein said pre-coating comprises applying a thin layer of said composition.
46. (New) The method of claim 41 further comprising testing the conductive path between said first component and said second component.
47. (New) The method of claim 41 wherein said solidifying includes applying an ultra-violet light to said composition.
48. (New) The method of claim 41 wherein solidifying includes changing said polymer-based material's temperature.
49. (New) The method of claim 41 wherein said polymer-based material is solidified and said magnetic field is applied at approximately a same time.
50. (New) The method of claim 41 wherein applying a magnetic field includes using the magnetic field from a metallic surface to bend the aligned path.